CERTIFICATE OF MAILING

List beby certify that this correspondence is being deposited with the U.S. Postal Service with enficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313, on 12112003

Roberto Plascencia Political Plancence

PATENT

Attorney Docket No. 25352-0032 D1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application) PATENT APPLICATION
Inventor(s): Edgardo Laborde et al.)
Application No.: 10/716,363) Art Unit: Not Assigned)
Filed: 11/17/2003) Examiner: Not Assigned)
Title: Antagonists of MCP-1 Function and Methods of Use Thereof)))
	_)

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

Sir:

Listed below or on an attached Form PTO-1449 is information known to applicant(s). A copy of each listed publication and U.S. and foreign patent, along with a concise explanation of information in a foreign language, if any, except for pending U.S. applications is attached or is identified with an asterisk as having been previously cited in priority U.S. Patent Application No.: 10/060,967, filed: 01/29/2002, pursuant to 37 C.F.R. §1.97-1.98.

1.98(d) A copy of any patent, publication or other information listed in an information disclosure statement is not required to be provided if it was previously cited by or submitted to the office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

-1-

\boxtimes	This sta	atement	t qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):			
		(1)	It is being filed within 3 months continued prosecution application OR	s of the application filing date and is other than a on under § 1.53(d)		
		(2)	It is being filed within 3 months	s of entry of a national stage		
	\boxtimes	(3)		date of the first Office Action on the merits		
		(4)		ng of a first Office Action after the filing of a request or § 1.114.		
	filing d set forth merits,	ate of a h in §1.4 but befo	national application; (2) three model in an international application	ed after the latest of: (1) three months beyond the onths beyond the date of entry of the national stage as n; or (3) the mailing date of a first Office action on the of a final office action under §1.113 or a notice of		
		a certif	ication as specified in §1.97(e) is	provided below; or		
			f \$180.00 as set forth in §1.17(p) nt of other papers filed together v	is authorized below, enclosed, or included with the with this statement.		
	37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113 or a notice of allowance under §1.311, but before payment of the issue fee, then:					
	A.	a certif	ication as specified in §1.97(e) is	completed below; and		
	В.	a petition		nesting consideration of this statement is submitted		
	C.		f \$130.00 as set forth in \$1.17(i)(nt of other papers filed together v	1) is authorized below, enclosed, or included with the vith this statement.		
	\$0.00 a	nd charg		y authorized to charge the above-referenced fees of my overpayment associated with this communication to 52-0032 D1).		
				Respectfully submitted,		
Dated:	$\overline{\mathcal{V}}$	ecemb	n 4, 2003	By: Sam I. Nguyen, Reg. No. 52,496		
275 Mic	ddlefield	d Road	2506			

275 Middlefield Road Menlo Park, CA 94025-3506 (650) 324-7000 Customer No. 25213

SHEET 1 OF 5

FORMATION DISCLOSURE CITATION PTO-1449

SERIAL NO. ATTY. DOCKET NO. 25352-0032 D1 10/716,363 APPLICANT Edgardo Laborde et al.

FILING DATE 11/17/2003	GROUP Not Assigned	
		Ξ

	•	U.S.	PATENT DOCUMENTS	5			
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILIN	G DATI
	* 6,140,338	10/2000	Naya et al	514	299		
	* 6,288,103	09/2001	Faull et al	514	419		
	* 6,316,449	11/2001	Bratton et al.	514	252.04		
	* 6,342,516	01/2002	Umeda et al.	514	397		
		FORE	IGN PATENT DOCUMEN	TS			
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRAN	SLATION
	* 9-255572	09/1997	Japan			125	1.0
	* 00/46198	08/2000	PCT				
	* 01/57044	08/2001	PCT				
	* 97/24325	07/1997	PCT				
	* 97/44329	11/1997	PCT				
	* 98/02151	01/1998	PCT				
	* 98/04554	05/1999	PCT				
,	* 98/06703	02/1998	PCT				
	* 98/27815	07/1998	PCT				
	OTHER DO	CUMENTS (II	ncluding Author, Title, Date	, Pertinent Pa	ges, Etc.)		
			-1, RANTES, and MIP-1α in ir Crit Care Med, 153:1398-1		ar Lavage Fluid	of Aller	gic
	* Alcami et al., Virus", J Immu		Themokine Activity by a Solu 3 (1998)	ble Chemokine	Binding Protei	n form V	'accinia
			n of monocyte chemoattractar Acad Sci USA, 89:5371-5375		NA in human i	diopathi	
			onocyte chemoattractant prote eukocyte Biology, vol. 63:108			zymosa	n
	Baggiolini et al.	, "Human Chen	nokines; an update", Annu rev	/ Immunol (199	97), pp. 15:675-	705	
	Baggiolini, "Che	emokines and L	eukocyte Traffic, Nature vol:	392:9 pp 565-	568, (1998)		
EXAMINER			DATE CONSIDERED				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant.

If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. 1.98(d).



E ATTY. DOCKET NO. 25352-0032 D1

SERIAL NO.

10/716,363

PTO-1449

APPLICANT Edgardo Laborde et al.

GROUP Not Assigned

			FILING DATE 11/17/2003	GR	OUP Not Ass	igned	
		U.S	. PATENT DOCUMENTS				
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILIN	G DAT
	3,823,144	07/09/1974	Schmitt et al.	544	377	06/21/	1972
	4,269,990	05/26/1981	May et al.	548	315	12/05/	1979
	5,977,108	11/02/1999	Kikuchi et al.	514	249	06/27/	1996
	6,329,402	12/11/2001	Kikuchi et al.	514	341	05/17/	1999
		FORE	LIGN PATENT DOCUMENTS				
EXAMINER'S	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRAN	SLATION
INITIALS						YES	NO
•	2 001 284	09/26/2969	FR	A 61 K	21/00		
	1 250 611	10/28/1974	GB	C07D	99/22		
	01/57003	08/09/2001	PCT	C07D	265/36		
	01/57021	08/09/2001	PCT	C07D	401/14		
	92/14710	09/03/1992	PCT	C07D	211/26		
	99/40072	08/12/1999	PCT	C07D	235/16		
	OTHER DO	CUMENTS (I	ncluding Author, Title, Date, P	ertinent P	ages, Etc.)		
			sion formation in CCR2 ^{-/-} mice re 4:894-897 (1998)	eveals a role	e for chemokines	s in the ir	itiatio
	* Bright et al., (1998)	'Identification	of a Non Peptidic Rantes Antago	nist", <i>Bioor</i>	g Med Chem Le	ett, 8:771-	-774
·	* Campbell et a Hyperreactivity (1999)	il., "Monocyte in Normal but	Chemoattractant Protein-1 Media Not CCR2 ^{-/-} Mice: The Role of N	ates Cockro Aast Cells",	ach Allergen-Ind J Immunol, 163	duced Br :2160-21	onchi 67
), Abst. No. 141873u (1985); Abs izoles "Pol J Pharmacol Pahrm, 3			"Synthe:	sis of
), Abst. No. 174751u (1984): Abscally active benzothienooxazines				
	* Folkman and Med Biol., 313:		ol of Angiogensis by Heparin and	Other Sulf	ated Polysaccha	rides", A	dv Ex
			ptor Antagonists: Conversion of an. Lett, 10:1803-1806 (2000)	a Weak HT	S Hit to a Potent	t Lead	
XAMINER	•		DATE CONSIDERED			-	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. 1.98(d).



FORMATION DISCLOSURE CITATION

PTO-1449

ATTY. DOCKET NO.	SERIAL NO.
25352-0032 D1	10/716,363
APPLICANT Edgardo Laborde es	t al.

		FII	LING DATE 11/17/2003	GROUP Not Assigned			
	OTHER DOCUMENTS ((Incl	uding Author, Title, Date, Pertine	nt Pages, Etc.)			
	* Gosling et al., "MCP-1 defi human apo37lipoprotein B", J		cy reduces susceptibility to atherosc Invest, 103:773-778 (1999)	lerosis in mice that over express			
			e Chemoattractant Protein-1 Reduce ice", Mol Cell, 2:275-281 (1998)	es Atherosclerosis in Low Density			
			d Characterization of Small Molecuiol Chem, 273:15687-15692 (1998)	le Functional Antagonists of the			
	Hoogewerf et al., "Glycosami Biochemistry 36:13570-13578		ycans Mediate Cell Surface Oligom 997).	erization of Chemokines",			
	* Hosaka et al., "Expression of 97:451-457. (1994)	of the	e Chemokine Superfamily in Rheun	natoid Arthritis", Clin Exp Immunol,			
				te chemotactic and activating factor rgy Clin Immunol, 98:580-587 (1996)			
	Kitano M. et al., "Synthesis ar Inhibitors", Chem and Pharm	nd Bi Bull	ological Activity of N-(Aminoimin etin, Pharmaceutical Society of Japa	omethly)-1H-Idoleca Rboxamide in, vol. 47, no. 11, 11/1999, pp 1538.			
	* Koch et al., "Enhanced Production of Monocyte Chemoattractant Protein-1 in Rheumatoid Arthritis", J. Clin Invest, 90:772-779, (1992)						
	 * Kunkel et al., "The Role of Chemokines in Inflammatory Joint Disease", J Leukocyte Biol, 59:6-12 (1996) * Kurashima et al., "Increase of Chemokine Levels in Sputum Precedes Exacerbation of Acute Asthra Attacks", J Leukocyte Biol, 59:313-316, (1996) Kuschert et al., "Glycosamineoglycans interact selectively with chemokines and moldulate receptor b and cellular responses", Biochemistry 38:12959-12968, (1999). 						
			aracterization of a potent, selective a al of Biological Chemistry, vol. 25:	and orally active antagonist of the cc 19000-19008, June 23, 2000.			
	Luster, "Chemokines_Chemotactic Cytokines That Mediate Inflammation", The New England Journal Medicine, pp. 436-445, February 12, 1998						
	* McFadden and Kelvin, "New Strategies for Chemokine Inhibition and Modulation", Biochem Pharmacol, 54:1271-1280 (1997) Mirzadegan et al., "Identification of the binding site for a novel class of CCR2bcemokine receptor antagonists", The American Society for Biochemistry and Molecular Biology, Inc., manuscript M000692200, (2000).						
	Moore et al., "Tumor angioge	nesis	is regulated by CXC chemokines",	J Lab Clin Med, 132:97-103 (1998)			
	Moore et al., "CXC Chemokine Modulation of angiogenesis", J Investigative Medicine, vol 46:113-120 (1998)						
EXAMINER		I	DATE CONSIDERED				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant.

If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. 1.98(d).



FORMATION DISCLOSURE CITATION

PTO-1449

ATTY. DOCKET NO.	SERIAL NO.
25352-0032 D1	10/716,363

APPLICANT Edgardo Laborde et al.

		FILING DATE 11/17/2003	GROUP Not Assigned				
	OTHER DOCUMENTS (Including Author, Title, Date, Po	ertinent Pages, Etc.)				
	* Murphy, :The Molecular Biology of Leukocyte Chemoattractant Receptors", Annu Rev Im 633, (1994)						
	* Nelken et al., "Monocyte Chemoattractant Protein-1 in Human Atheromatous Plaques", J. Clin Invest, 88:1121-1127 (1991)						
	Okada et al., "Synthesis and A Bull, 47:430-433, (1999)	Antitumor Activities of Water-Solu	ble Benzoylphenylureas", Chem Pharm				
	Okada et al., "Synthesis and 42:57-61, (1994)	Antitumor Activities of Prodrugs o	f Benzoylphenylureas", Chem Pharm Bull				
	Okada et al., "Synthesis and A Bull, 39:2308-2315 (1991)	Antitumor Activities of Novel Benz	coylphenylurea Derivatives", Chem Pharm				
	* Proost et al., "The Role of C	Chemokines in Inflammation", Int	J Clin Lab Res, 26:211-223, (1996)				
	* Robinson et al., "Chemokin (1995)	e expression in Rheumatoid Arthr	itis", Clin Exp Innumol 101:398-407				
	Rollins, "Chemokines", Blood	l, vol 90 no. 3, pp. 909-928, Augus	t 1, 1997				
	electrophilic substitution of in	, Chemical Abstract, "Regioselect doleand indoling -5-(N-phenyl) ca 002206081 abstract & Heterocycle	rboxamides" retrieved from STN database				
	Rovin et al., "Chemotactic Fac 31:1065-1084, June 1998	ctors and Renal Inflammation", An	nerican Journal of Kidney Diseases,				
	Rovin, "Chemokines as Thera 34: 761-767, October 1999	peutic Targets in Renal Inflammat	ion", American Journal of Kidney Diseases,				
	Rovin, "Chemokine blokade a Hypertension, 13:225-232, (20)	s a therapy for renal disease", Cur 000)	rent Opinion in Nephrology and				
	Expression", Biochemical and	Biophysical Research Communic					
	Discovery Today, vol. 4 No. 2	(1999)	acting at chemokine receptors", Drug				
		NTES/SIS Cytokine Family", Cytok					
·	proteins", Journal of Leukocy	te Biology, vol. 66, pp. 369-374, Se	<u> </u>				
Servant et al., "Polarization of Chemoattract Receptor Signaling During Neutrophil Chemotaxis", Sci vol. 287: 1037-1040, February 11, 2000 * Strieter et al., "The Immunopathology of Chemotactic Cytokines: The Role of Interleukin-8 and Monocyte Chemoattractant Protein-1", J Lab Clin Med, 123:183-197 (1994)							
					-	* Sugiyama et al., "Chemokii Pneumonitis", Eur Respir J, 8	
EXAMINER		DATE CONSIDERED					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not

Include copy of this form with next communication to applicant.

If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. 1.98(d).

Mag o El		SHEET 5 OF 5				
INFORMATION DISCLOSURE	ATTY. DOCKET NO.	SERIAL NO.				
CITATION	25352-0032 D1	10/716,363				
PTO-1449	APPLICANT Edgardo Laborde e	t al.				
r 1 U-1 009	FILING DATE 11/17/2003	GROUP Not Assigned				
OTHER DOCUMENTS	(Including Author, Title, Date, Pertino	ent Pages, Etc.)				
Szekanecz et al., "Cytokines	in Rheumatoid Arthritis", Drugs and Ag	ing, 12:377-390, May 12, 1998				
* Taub, D.D. "Chemokine-L	eukocyte Interactions", Cytokine Growth	n Factor Rev, 7:355-376, (1996)				
	f Monocyte Chemoattractant Protein-1 in actant Protein-1 Monoclonal Antibody",					
* Tanaka et al., "T-cell adhes 82 (1993)	sion induced by proteoglycan-immobilze	ed cytokine MIP-1\(\beta^{\gamma}\), Nature, 361:79-				
Trivedi et al., "Chemokines: 7 35:191-200, (2000)	Targets for novel therapeutics", Annual I	Reports in Medicinal Chemistry,				
Vaddi and Newton, "Compar chemokines fo the intercrine-	ison of biological responses of human m β family", Journal of Leukocyte Biology	onocytes and THP-1 cells to , vol 55: 756-761, June 1994				
	of Monocyte Chemoattractant Protein-1 munol, vol. 149, pp. 722-727, (1992)	By Inflamed Synovial Tissue and				
Vlodavsky et al., "Involveme promoting activity of fibrobla	Vlodavsky et al., "Involvement of heparan sulfate and related molecules in sequestration and growth promoting activity of fibroblast growth factor", Cancer and Mtastasis Reviews 15: 177-186, (1996)					
	nin is a Potent Inhibitor of Vascular End r Basis of its Antiangiogenic Action", J					
Wang et al, "Chemokines and Methods, 220: 1-17, (1998)	Wang et al, "Chemokines and their role in tumor growth and metastasis", Journal of Immunological Methods, 220: 1-17, (1998)					
* Wellstein and Czubayko, " (1996)	Inhibition of fibroblast growth factors",	Breast Cancer Res Treat, 38:109-119				
induced Neutrophil Migration	Potent, Selective Non-peptide CXCR2 An, J. Bio Chem, 273:10095-10098 (1998)	3)				
Wrenshall et al., "Modulation	of macrophage and B cell funtion by gl	ycosaminoglycans", Journal of				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Yang et al., "Fully human anti-interleukin-8 monoclonal antibodies: potential therapeutics for the treatment

* Yla-Herttuala et al., "Expression of Monocyte Chemoattractant Protein 1 in Macrophage-Rich Areas of

of inflammatory disease states", Journal of Leukocyte Biology, vol. 66: 401-410, September 1999

Human and Rabbit Atheroslerotic Lesions", Proc Natl Acad Sci USA, 88:5252-5256 (1991) Zetzsche et al., Crossfire Beilstein 'Online' Beilstein Institut Aur Forerderung Der Wissenschaten,

DATE CONSIDERED

If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. 1.98(d).

Frankfurt, DE; Abstract, Chemische Berichte, vol. 72, 1939, page 1599

Leukocyte Biology, vol. 66:391-400, September 1999

EXAMINER